BRUHAT BANGALORE MAHANAGARA PALIKE

FORM PWG -45 WORK SLIP STATEMENT

Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01

Sanctioned Estimate Amount: Rs. 13,000,000.00

Name of the Contractor: Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd)

Sanctioned Tender Amount: Rs. 12,056,554.00

Operative Tender Premium 4.99% Above

Sl. No	Description of Item	Unit	As per Sch.B			Executed	Upto 125%			Above 125%			Total Amount as per actuals	Excess	Remarks
			Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
2	Earthwork excavation by manual means for foundations, either in pits or trenches 1.5m and above in width, in soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches , stacking the excavated soil clear from edges from edges of excavation with lead upto 50m, including breaking of clods complete as per specification in hard soil.KSRB 2-1	Cum	666.20	339.03	225861.79	669.12	669.12	339.03	226851.75	0.00	339.03	0.00	226851.75	989.97	-
13	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2	Cum	170.80	292.54	49965.83	280.79	213.50	292.54	62457.29	67.29	292.54	19685.60	82142.89	32177.06	
15	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Cum	140.40	1080.60	151716.24	223.84	175.50	1080.60	189645.30	48.34	1080.60	52236.20	241881.50	90165.26	
16	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500	Cum	6.60	80467.78	531087.35	7.13	7.13	80467.78	573574.34	0.00	80467.78	0.00	573574.34	42486.99	
24	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.	Cum	333.00	462.63	154055.79	959.00	416.25	462.63	192569.74	542.75	462.63	251092.43	443662.17	289606.38	
25	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Cum	52.50	90.71	4762.28	150.92	65.63	90.71	5952.84	85.30	90.71	7737.11	13689.95	8927.68	

26	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.	Cum	26.32	6416.69	168887.28	134.54	32.90	6416.69	211109.10	101.64	6416.69	652214.83	863323.93	694436.65	
27	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels, and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6	Cum	12.10	6680.89	80838.77	13.50	13.50	6680.89	90192.02	0.00	6680.89	0.00	90192.02	9353.25	
28	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification	Cum	7412.69	104.32	773291.82	10312.16	9265.86	104.32	966614.78	1046.30	104.32	109150.02	1075764.79	302472.97	

31	Fabricating, providing and erecting in position of MS Hot Dip Galvanized Sq. Hallow Poles of 132 x 132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12x75mm galvanized flat for alround frame and 20mm x 20mm galvanized-forged design with square for for vertical al 150mm C/C as shown in the drawing including providing forged ornamental arrow head in top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery and incidental charges for the successful completion of the work as per the direction Engineer-in-charge of the work.	Cum	168.00	9600.43	1612872.24	173.87	173.87	9600.43	1669226.76	0.00	9600.43	0.00	1669226.76	56354.52	
32	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72 x 72 x 4.8mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50X6mm arch bent to hot dip galvanized flats. the work is inclusive of throughing GI, flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like G I Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per	Cum	22.40	13097.53	293384.67	26.55	26.55	13097.53	347739.42	0.00	13097.53	0.00	347739.42	54354.75	
	TOTAL													1581325.48

Percentage of excess comparing to the sanctioned Estimated cost = $\frac{1581325.48}{12056554.69}$ x 100 = 13.12 %

Contractor

AE
Project Division

AEE
Project Division

Executive Engineer
Project Division

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ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ.

PWG -71 EXTRA ITEM RATE LIST STATEMENT

Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01

Client : Bruhat Bangalore Mahanagara palike
Agency : Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd)

Sl. No.	Item of Work	Unit	Approximate Quantity	Rate	Amount In Rs	Whether the items are alternative to items in the tender or wherther they are additional items (If items are in lieu of some items in the accepted tender, such items should be metioned	Wherther the extra item is included in the sanctioned estimate	How the extra cost of the item is propposed to be met	Whether the extra item is included in the suchedule of rate of the Division. If so reference to this item of the schedule to be given , if not data sheets should accompany the rate list	Remarks
E2	Granite Stone kalsa 2ftx1ftx1ft including fixing and transportation charges etc., (Approved Data Rate)	No	17.00	10000.00	170000.00	Additional Item	No	in the savings of other items in the same estimate	Data Rate	
E4	14.55, Providing full nosing for 20 mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification	Rmtr	120.00	286.20	34344.00	Additional Item	No	in the savings of other items in the same estimate	Page No 111, SR 2018-19	
E5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	25.92	2337.00	60575.04	Additional Item	No	in the savings of other items in the same estimate	Data Rate	
E6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	25.20	5418.00	136533.60	Additional Item	No	in the savings of other items in the same estimate	Data Rate	

E7	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)	Cum	84.05	2001.28	168215.59	Additional Item	No	in the savings of other items in the same estimate	KSRRB M400-17, Page no 155, I. No 20.18	
E8	KSRRB 13-9. Providing, and fixing to wall, celing, and floor, high dencity poly ethylene pipes of 6.00KGF/sqcm working pressure of outside diameter raising mains and exposed distrubution pipes with special flange, compression type fittings, wall clips, making good the wall, celing and floor, including cost of materiallabor charges, HOM, and testing complete as per specifications(P.No-96,I No-13.72)	Rmtr	363.00	277.72	100812.36	Additional Item	No	in the savings of other items in the same estimate	KSRRB 13-19, P NO-96, I No 13.72	
E9	6.4.1 Supplying, of 1.1KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded inner sheath armoured UF LT Cable as per IS 1554(Part-I) or IS 7098 Part -1 Armouring Strip thickness in average +5% and resistivity 14ohms/kms (max) as per IS -3975, Electrical SR 2019-20	Rmtr	679.20	100.70	68395.44	Additional Item	No	in the savings of other items in the same estimate	6.4.1, Electrical SR, 2019-20	

E10	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/ clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr@ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor>0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB LED Efficiency>130 lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part	Nos	4.00	21095.00	84380.00	Additional Item	No	in the savings of other items in the same estimate	Data Rate	
E11	Supplying and Fixing of Ornamental/Designer Double arm Light Pole 6m Height with Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. (Data Rate)	Nos	8.00	25000.00	200000.00	Additional Item	No	in the savings of other items in the same estimate	Data Rate	

E12	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection-Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>1301m/w, nominal CRI >75. Luminaire manufacturer should have in house facility	Nos	8.00	7160.00	57280.00	Additional Item	No	in the savings of other items in the same estimate	(Page No 66, I no 12.8.4, Ele SR, 2019-20)	

E13	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>1301m/w, nominal CRI >75. Luminaire manufacturer should have in house facility	Nos	8.00	5480.00	43840.00	Additional Item	No	in the savings of other items in the same estimate	(Page No 66, I no 12.8.3, Ele SR, 2019-20)	
E14	Supply of LED Disigner Bollard light fitting with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB, with 2 years Warranty against any manufacturing defect working under standard electrical condition. (Data Rate)	Nos	4.00	14835.00	59340.00	Additional Item	No	in the savings of other items in the same estimate	Data Rate	

E15	Supplying of recess mounting non integrated type Designer LED down light 15 to 18 W luminaire comprising of pressure decast/ extruded aluminium housing, with spring loaded false ceiling clamps, LED of Power/COB with CCT 6500 degree K, CRI> 70%. efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LED's are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should< 5% of lamp wattage, short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.. (Data Rate)	Nos	8.00	3939.00	31512.00	Additional Item	No	in the savings of other items in the same estimate	Data Rate	
E16	Supplying and fixing Microprocessor based Electronic timer (with contactor, Din Mounting using necessary bolts, nuts and washers etc.,.) 3-120sec setting.(I No 5.47, Ele SR- 2019-20)	Nos	3.00	1925.00	5775.00	Additional Item	No	in the savings of other items in the same estimate	I No 5.47, EleSR 2019-0	
	EIRL TOTAL				1221003.03					

Total Amount of Sanctioned Tender	=	12056554.00	
Net Excess Amount of EIRL	=	1221003.03	
Total % excess to the Tendered Amount	=	10.13	%

Assistant Engineer
Project Division

Assistant Executive Engineer
Project Division

Executive Engineer
Project Division

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

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ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ.